ORDER NO. TD95010502C2

Service Manual

Mini Cassette

Stereo Cassette Player

RQ-P260

Colour

(K)·····Black Type

Area

Suffix for Model No.	Area	Colour
[E]	Europe.	(K)

■ SPECIFICATIONS

General:

Power Requirement:	Battery; 3V (two R6/LR6, UM-3 batteries) AC; with optional AC adaptor RP-AC31
Power Output:	40mW (20mW × 2)··· RMS (max.)
Input:	DC IN; 3V
Output:	Headphones; 24Ω φ3.5
Frequency Response:	50~16000Hz (–6dB) (Nor/CrO_2/Metal)
Motor:	Electrical governor motor
Track System:	4-track 2-channel stereo playback
Tape Speed:	4.8cm/s
Dimensions:	113.4(W) × 85.9(H) × 34.7(D)mm
Weight:	136g without batteries

Notes:

1.Weights and dimensions shown are approximate.

2.Design and specifications are subject to change without notice.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

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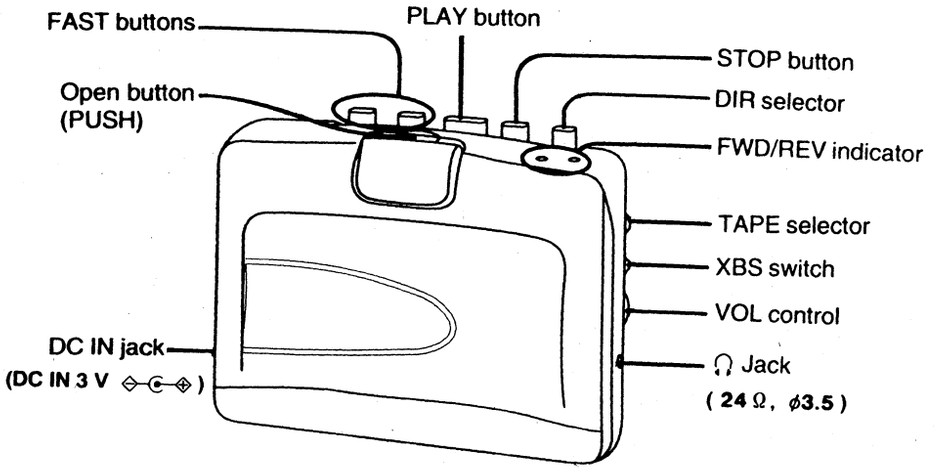
■ LOCATION OF CONTROLS



■ DISASSEMBLY INSTRUCTIONS

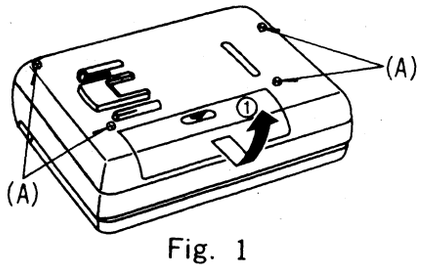


Fig. 1

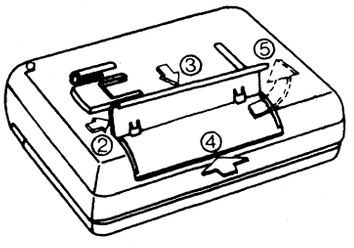


Fig. 2

● Removal of the battery cover and Rear Cabinet

1. Open the battery cover in the direction of arrow①.
2. Remove the battery cover in the direction of arrow ② and ③.
3. Remove the screws (A) (2×10)mm×4.
4. Remove the rear cabint in the direction of arrow④&⑤.

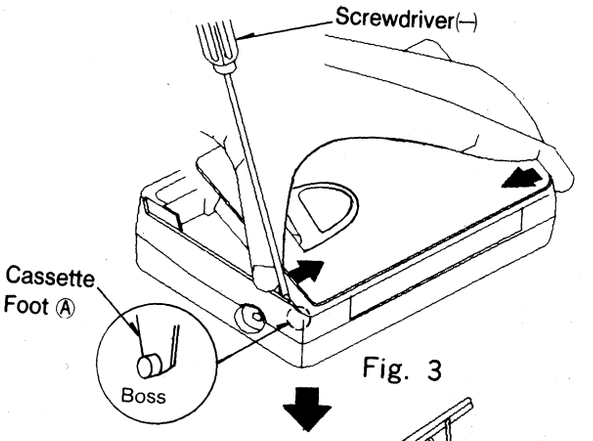


Fig. 3

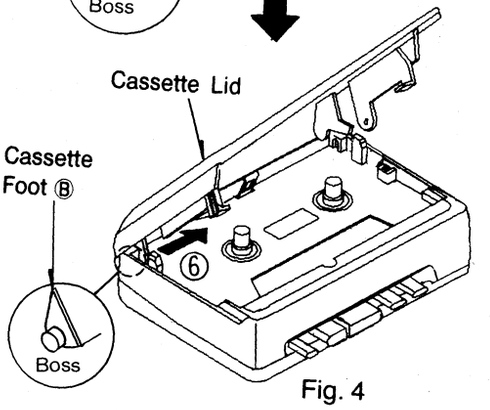


Fig. 4

● How to Removal of the Cassette Lid

Note: Be careful not to break cassette foots Ⓐ and Ⓑ when removing the cassette lid.

1. Strongly press two sides of the cassette lid, then it was bent a little.
2. With a (−) screwdriver as shown in Fig 3, and pull out the right-side of the cassette lid.
3. By the direction of⑥, remove the cassette foot.

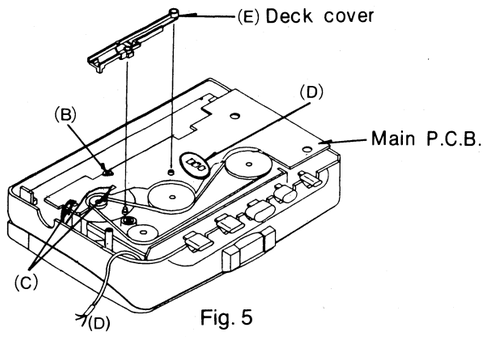


Fig. 5

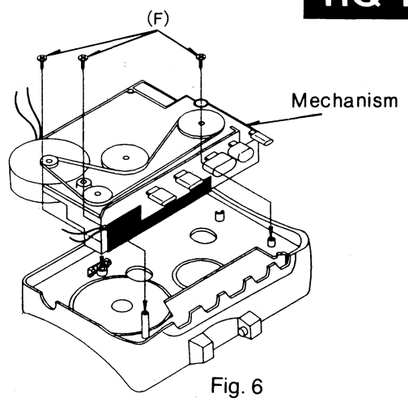


Fig. 6

●Removal of the Circuit Board (Fig. 5)

1. Remove the chassis screw (B) (2×6)mm×1.
2. Remove the solder (C), (D), from flexible P.C.B.
3. Remove the deck cover (E)×1.

●Removal of the Front Cabinet and Mechanism (Fig. 6)

1. Remove the screws (F) (2×6)mm×3.
2. Remove the front cabinet & mechanism.

Notes for assembly

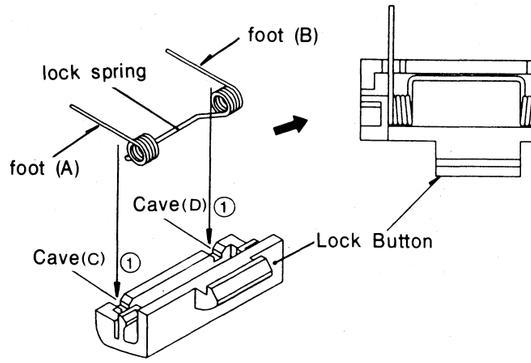


Fig. 8

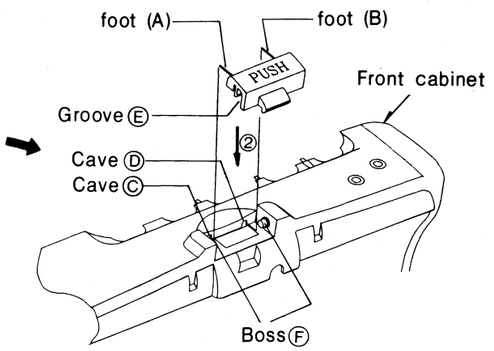


Fig. 9

■Notice for assembling the lock spring (Fig. 8)

1. Install the lock spring in the diection of arrow ①.
2. Fit the spring foot (A) in the cave (C), spring foot (B) in the cave (D).

■Notice for assembling the Lock Button (Fig. 9)

1. Install the lock button in the diection of arrow ②.
2. Fit the spring foot (A) in the cave Ⓒ, Spring foot (B) in the cave Ⓓ.
   (The groove Ⓔ in the boss Ⓕ)

■How to Replace the Cassette Lid (Fig. 10)

1. Enter the cassette foot (A) into the groove of the case body.
2. Enter the boss of the cassette foot into the cave.
3. Enter the cassette foot (B) into the groove of the case body.

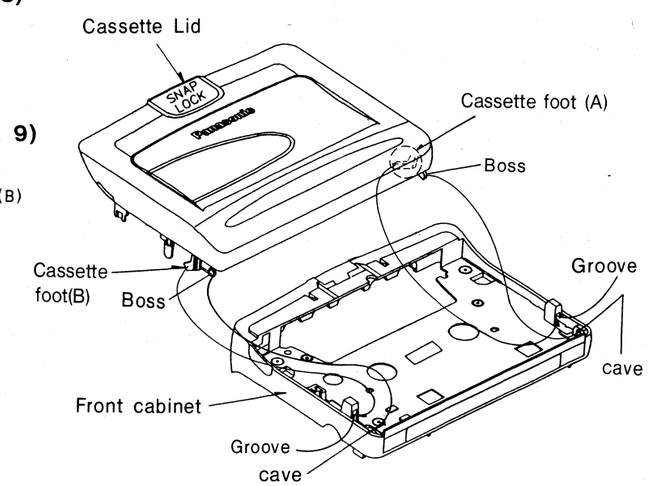
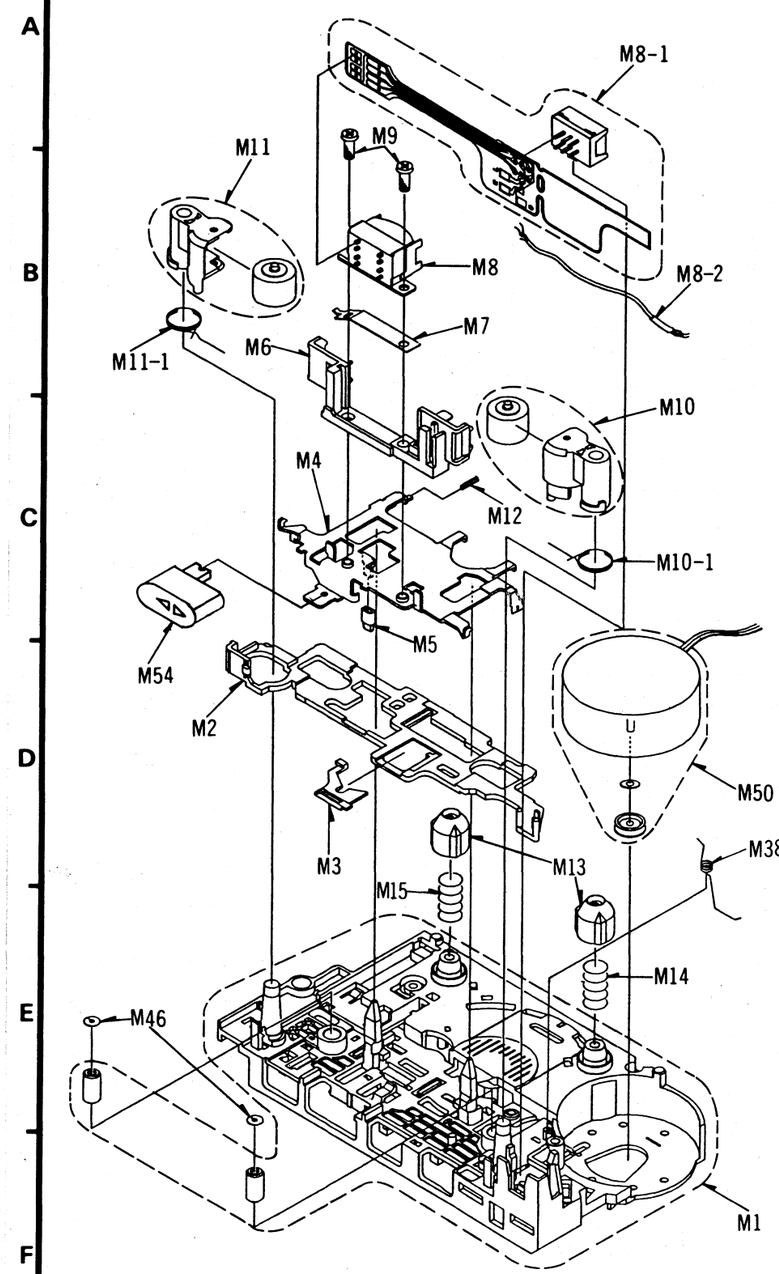


Fig. 10

■ MECHANISM PARTS LOCATION

(Front View)



■ REPLACEMENT PARTS LIST

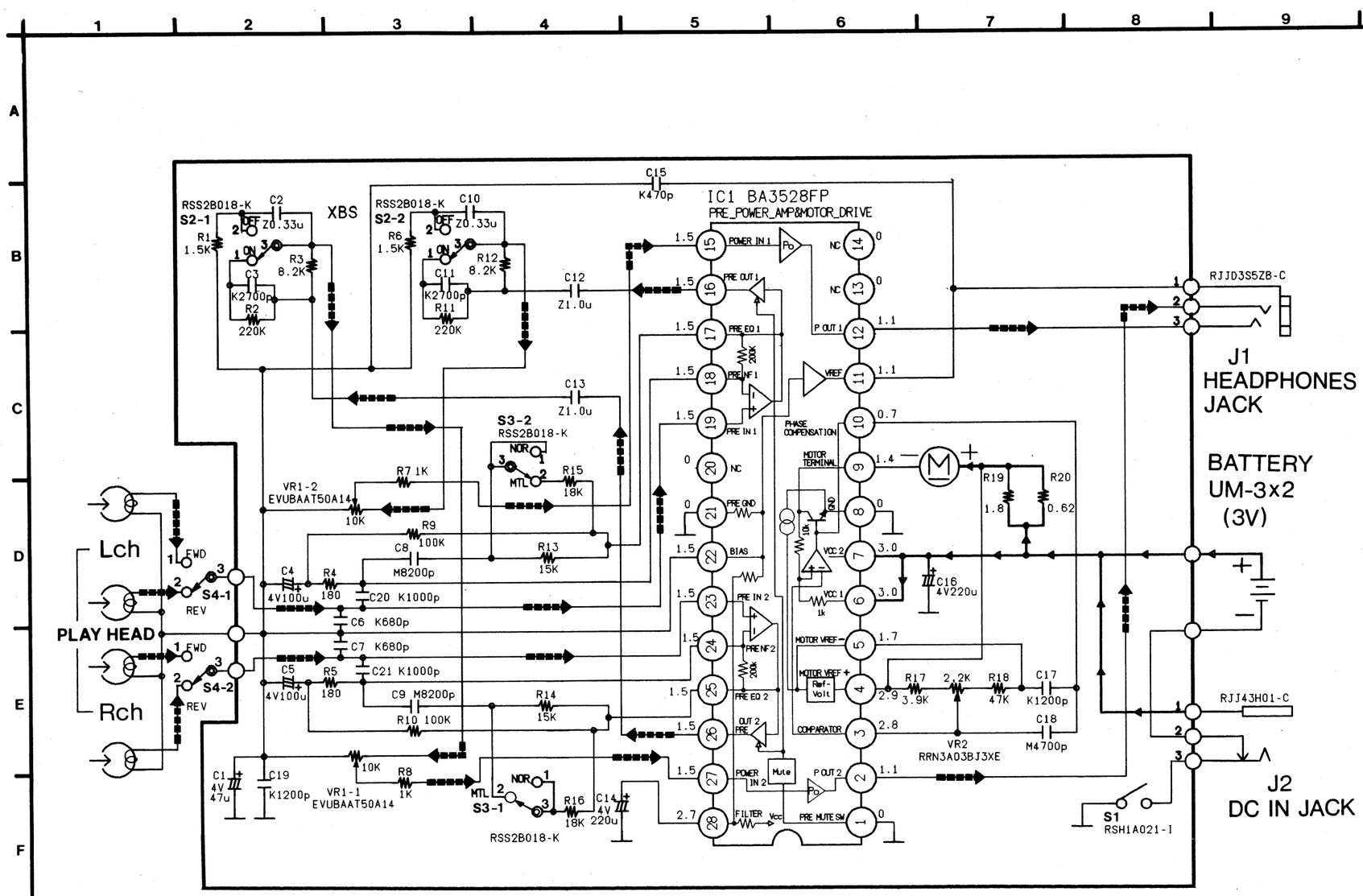
Ⓣ Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description
		MECHANICAL PARTS
M1 Ⓣ	RFU227ZA	Chassis Ass'y
M2 Ⓣ	RFY1048ZA	Plate Slide
M3 Ⓣ	RFY1049ZA	Sub Slide
M4 Ⓣ	RFU228ZA	Chassis Head
M5 Ⓣ	RFX184ZA	CAP H
M6 Ⓣ	RFE586ZA	Guide Tape
M7 Ⓣ	RFS959ZA	Plate Spring
M8 Ⓣ	RFH56ZA	Head
M8-1 Ⓣ	RFA112ZA	Switch Ass'y
M8-2 Ⓣ	RFE592ZA	Head Wire
M9 Ⓣ	RFE588ZA	Screw
M10 Ⓣ	RFR75ZA	Pinch Arm F Ass'y
M10-1 Ⓣ	RFS960ZA	Spring
M11 Ⓣ	RFR76ZA	Pinch Arm R Ass'y
M11-1 Ⓣ	RFS961ZA	Spring
M12 Ⓣ	RFS962ZA	Spring
M13 Ⓣ	RFJ101ZA	Reel CAP
M14 Ⓣ	RFS963ZA	Spring
M15 Ⓣ	RFS964ZA	Spring
M16 Ⓣ	RFY1050ZA	Lever FF
M17 Ⓣ	RFY1051ZA	Lever REW
M18 Ⓣ	RFY1052ZA	Lever STOP
M19 Ⓣ	RFY1053ZA	Lever Direction
M20 Ⓣ	RFS965ZA	Spring
M21 Ⓣ	RFS966ZA	Spring
M22 Ⓣ	RFS967ZA	Spring
M23 Ⓣ	RFY1076ZA	Plate Lock
M24 Ⓣ	RFG167ZA	Reel Gear
M25 Ⓣ	RFG168ZA	Reel Gear L
M26 Ⓣ	RFY1077ZA	ARM TU
M27 Ⓣ	RFY1056ZA	Lever Wedge
M28 Ⓣ	RFS968ZA	Spring
M29 Ⓣ	RFG169ZA	Gear TU
M30 Ⓣ	RFG170ZA	Gear Idler B
M31 Ⓣ	RFS969ZA	Spring
M32 Ⓣ	RFG172ZA	Clutch Ass'y
M32-1 Ⓣ	RFS970ZA	Spring
M33 Ⓣ	RFE589ZA	Screw
M34 Ⓣ	RFY1057ZA	ARM Sensor
M35 Ⓣ	RFY1058ZA	ARM Change
M36 Ⓣ	RFY1059ZA	ARM Cancel D
M37 Ⓣ	RFY1060ZA	ARM Cancel R
M38 Ⓣ	RFS986ZA	Spring
M39 Ⓣ	RFG171ZA	Gear Idler A
M40 Ⓣ	RFS972ZA	Spring Friction
M41 Ⓣ	RFY1061ZA	ARM Switch
M42 Ⓣ	RFS973ZA	Spring
M43 Ⓣ	RFY1062ZA	ARM Switch
M44 Ⓣ	RFF93ZA	Flywheel F Ass'y
M45 Ⓣ	RFF94ZA	Flywheel R Ass'y
M46 Ⓣ	RFN241ZA	Washcr
M47 Ⓣ	RFQ74ZA	Pulley Idler
M48 Ⓣ	RFN242ZA	Washer
M49 Ⓣ	RFB123ZA	Belt
M50 Ⓣ	RFM195ZA	Motor Ass'y
M51 Ⓣ	RFE590ZA	Screw
M52 Ⓣ	RGUT0025-K	Direction Knob
M53 Ⓣ	RGUT0026-K	Button Stop
M54 Ⓣ	RGUT0027-K	Button Play
M55 Ⓣ	RGUT0028-K	Button REW
M56 Ⓣ	RGUT0029-K	Button FF
M57 Ⓣ	RFN244ZA	Washcr

SPECIFICATIONS

Pressure of Pressure roller	160gr
Wow & flutter	Less than 0.5% (WRMS)
Playback torque	20～45gr-cm
FF torque	50～150gr-cm
REW torque	50～150gr-cm

■SCHEMATIC DIAGRAM



Notes:

- ●S1: Motor Switch in "OFF" Position.
- ●S2-1, 2-2: **XBS switch in "ON" position.** **(1…ON, 2…OFF)**
- ●S3-1, S3-2: Tape Selector Switch in "CrO_2/METAL" Position. (1…Normal, 2…CrO_2/Metal)
- ●S4-1, 4-2: FWD/REV Selector Switch in "REV" Position. (1…FWD, 2…REV)
- ●VR1-1: Volume Control VR. (Lch)
- ●VR1-2: Volume Control VR. (Rch)
- ●VR2: Tape Speed adjustment VR.
- ●All voltage valuse shown in circuity are under no signal condition and playback mode with volume control at maximum position.
- ●Battery current: Volume minimum output……140mA
  Volume Maximum output…..240mA
  (315Hz 0dB tape QZZCFM playback)
- ● ——— +B Voltage Line.
- ● ▪▪▪▪▶ Playback Signal.

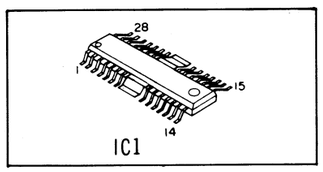
■REPLACEMENT PARTS LIST

Ⓣ Indicates parts that are supplied by TAMACO

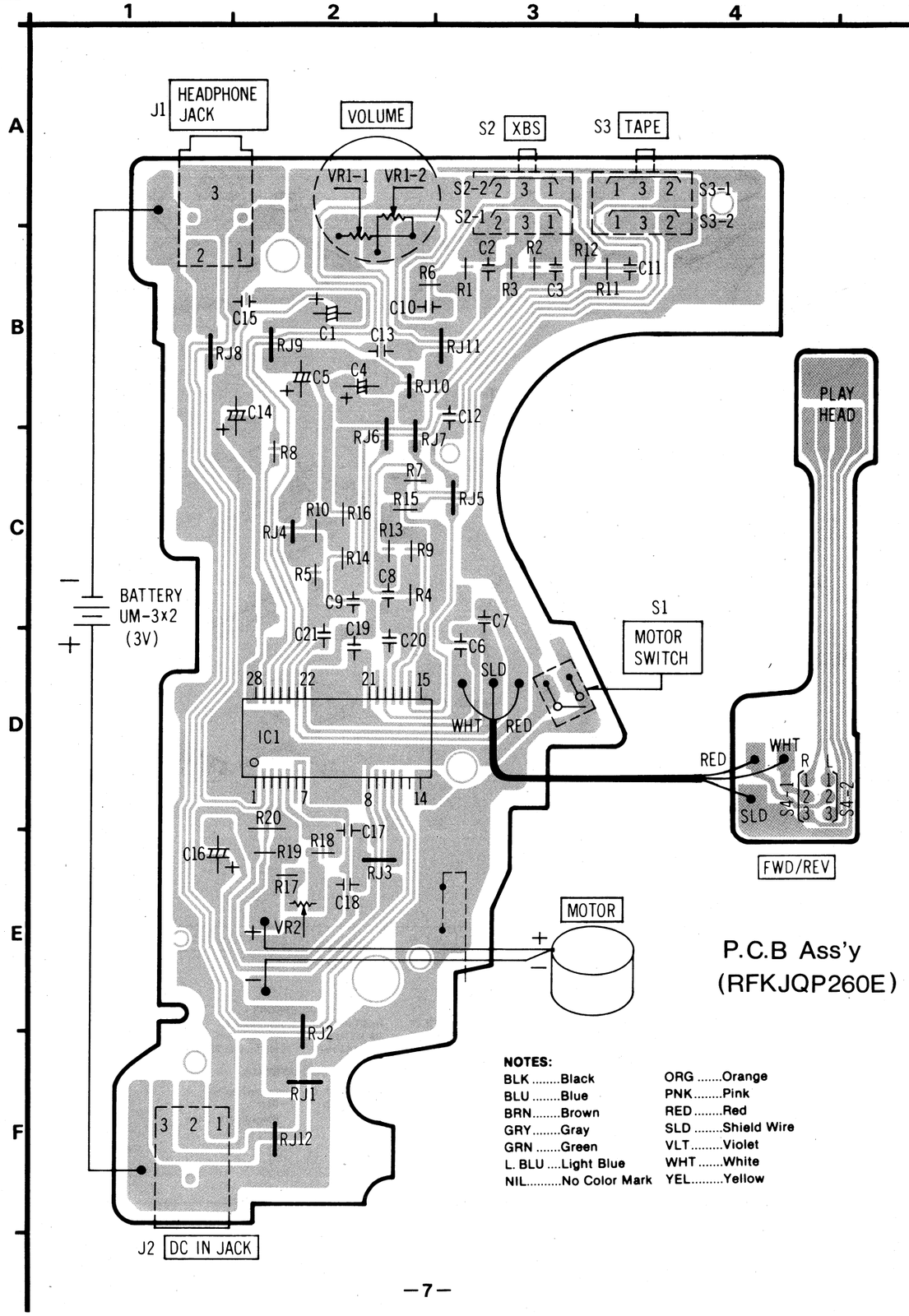
Ref. No.	Parts No.	Parts Name & Description
	INTEGRATED CIRCUITS, TRANSISTORS	
IC1 Ⓣ	**BA3528FPT**	I.C. PRE/Power AMP
	VARIABLE RESISTORS	
VR1	**EVUBAAT50A14**	V.R.Volume Control
VR2 Ⓣ	**RRN3A03BJ3XE**	V.R. Tape Speed
	SWITCHES	
S1 Ⓣ	**RSH1A021-I**	SW, Motor
S2 Ⓣ	**RSS2B018-K**	SW, XBS
S3 Ⓣ	**RSS2B018-K**	SW, Tape Selector
S4 Ⓣ	**RFA112ZA**	SW,FWD/REV
	JACKS	
J1	**RJJD3S5ZB-C**	Headphones Jack
J2	**RJJ43H01-C**	DC IN Jack

Ref. No.	Parts No.
	RESISTORS
R1,6	**ERJ6GEYJ152V**
R2.11	**ERJ6GEYJ224V**
R3,12	**ERJ6GEYJ822V**
R4,5	**ERJ6GEYJ181V**
R7,8	**ERJ6GEYJ102V**
R9.10	**ERJ6GEYJ104V**
R13.14	**ERJ6GEYJ153V**
R15,16	**ERJ6GEYJ183V**
R17	**ERJ6GEYJ392V**
R18	**ERJ6GEYJ473V**
R19Ⓣ	**ERJ6GEYJ1R8V**
R20Ⓣ	**ERSL39JR62U**
	CHIP JUMPERS
RJ1,2,3,5～9, 11,12	**ERJ8GEY0R00V**
RJ4.10	**ERJ6GEY0R00V**

Ref. No.	Parts No.
	CAPACITORS
C1Ⓣ	**ECEG0GKS470I**
C2,10	**ECUV1C334ZFN**
C3,11Ⓣ	**ECUV1H472MBN**
C4,5	**ECEA0GKS101I**
C6,7	**ECUV1H681KBN**
C8,9	**ECUV1H822MBN**
C12,13	**ECUV1C105ZFN**
C14,16	**ECEA0GKS221I**
C15	**ECUV1H471KBN**
C17,19	**ECUV1H122KBN**
C18	**ECUV1H472MBM**
C20,21	**ECUV1H102KBN**



■ CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



P.C.B Ass'y
(RFKJQP260E)

NOTES:

BLK .....Black	ORG .....Orange
BLU .....Blue	PNK.....Pink
BRN.....Brown	RED.....Red
GRY.....Gray	SLD .....Shield Wire
GRN .....Green	VLT.....Violet
L. BLU ....Light Blue	WHT.....White
NIL.....No Color Mark	YEL.....Yellow

■ MEASUREMENT AND ADJUSTMENTS

● ALGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum. 2. Set power source voltage to 3V DC. 3. Set Tape Selector Switch to normal.	4. Output of signal generator should be no higher than necessary to obtain an output reading. 5. Make sure head are clean. 6. Make sure capstan and pinch roller are clean.

● MEASUREMENT AND ADJUSTMENTS

ITEM	INPUT	MEASUREMENT POINT	ADJUSTMENT POINT	PROCEDURE
Azimuth	QZZCFM (8kHz, −20dB)	Headphones Jack (24Ω) (Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.)	Azimuth adjustment screw (Refer to Fig. 1)	Adjust the azimuth adjustment screw during repeated forward and reverse playback to obtain the maximum head azimuth allgnment with both channels equal. Then screw-lock the adjustment in place.
Tape speed	QZZCWAT (3kHz, −10 dB)		VR2 (Refer to Fig. 3)	Playback the central part of the tape and adjust VR2 so that the tape speed is as follows. 3000 ± 60Hz (Forward & Reverse)

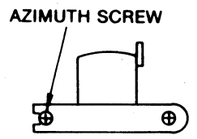


Fig. 1

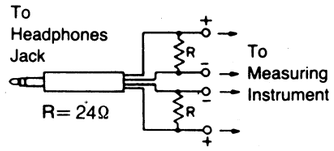


Fig. 2

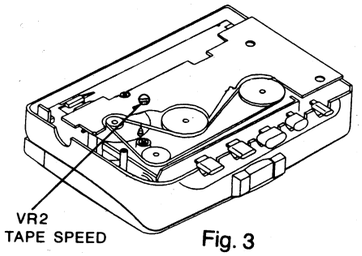
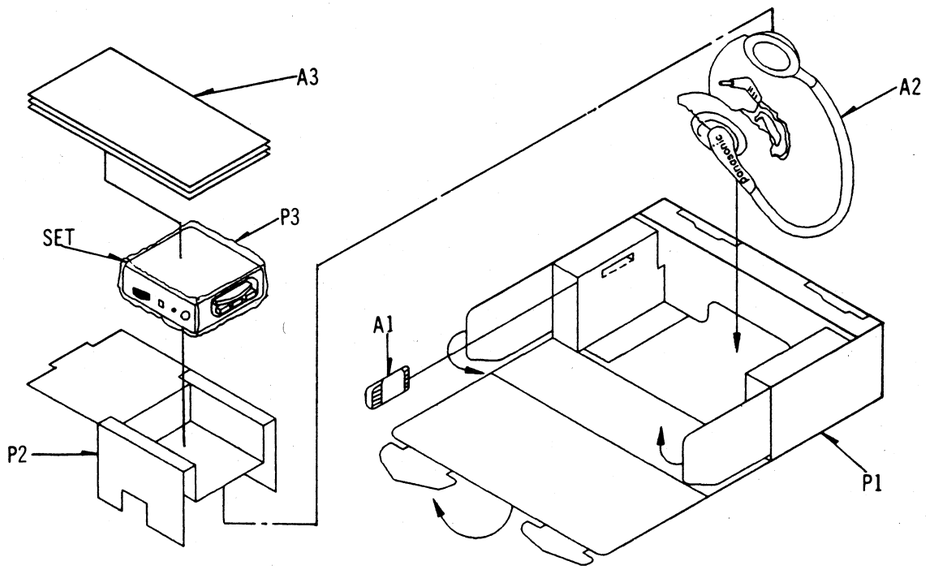


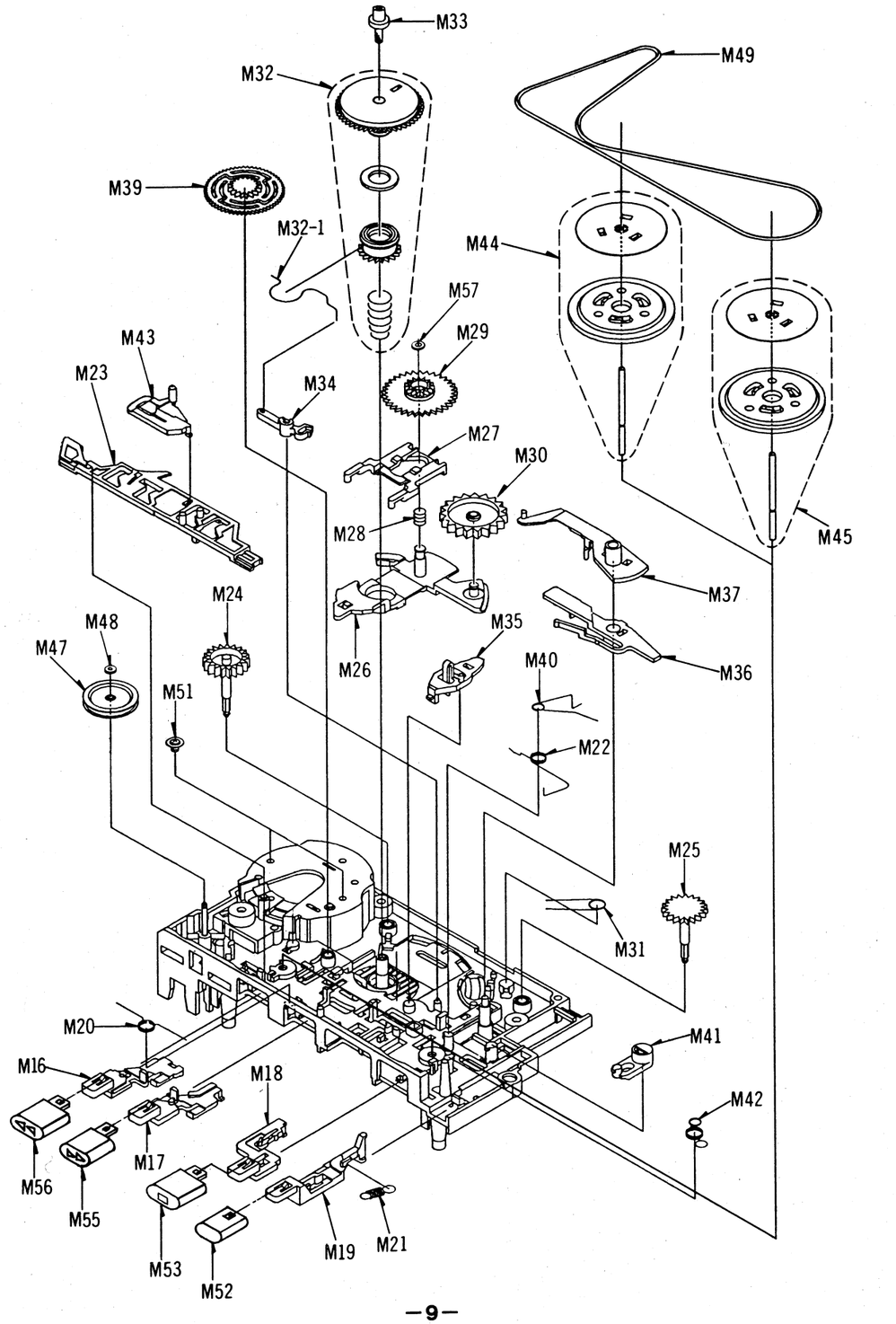
Fig. 3

■ PACKAGING



6 7 8 9

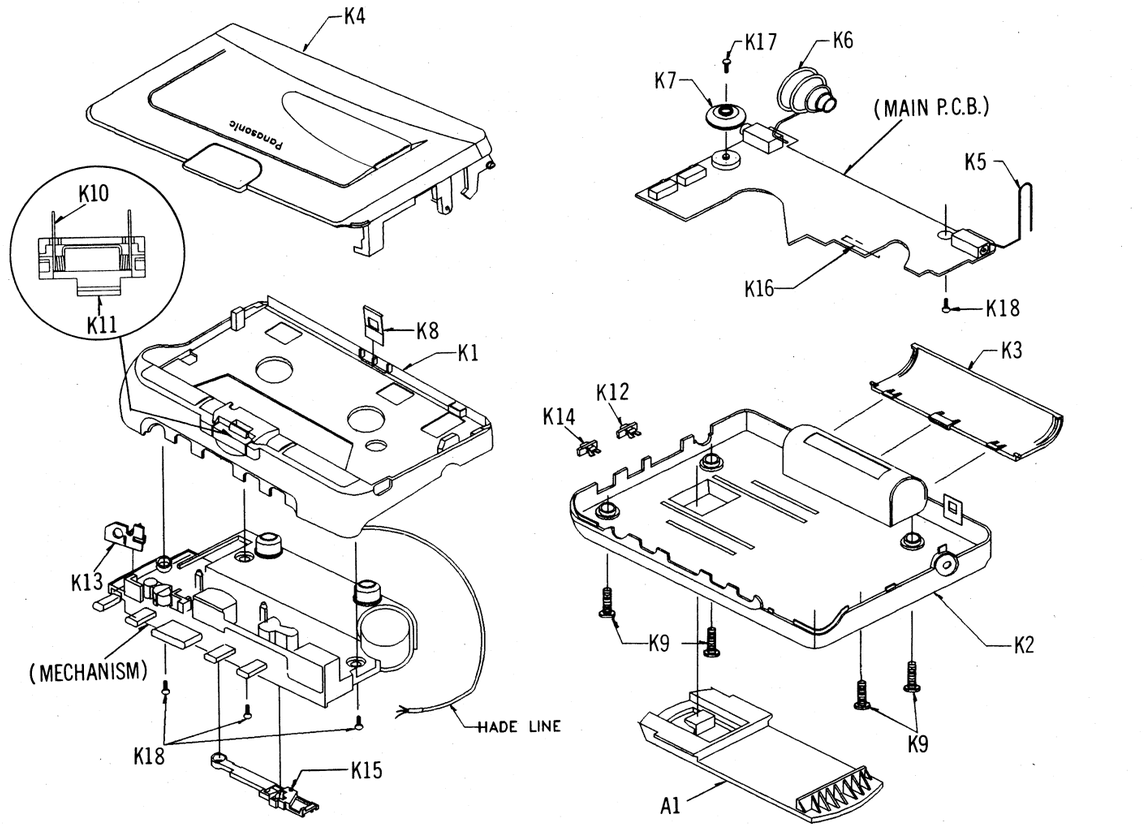
(Rear View)



■ CABINET PARTS LOCATION

1 2 3 4 5

A B C D E F



■ REPLACEMENT PARTS LIST

T Indicates parts that are supplied by TAMACO

Ref. No.	Parts No.	Parts Name & Description
	CABINET PARTS	
K1 T	**RKMT0012A-K**	Front Cabinet
K2 T	**RKST0013A-K**	Rear Cabinet
K3 T	**RKKT0008-K**	Battery Cover
K4 T	**RFKLQP260E**	Cassette Cover Ass'y
K5 T	**RJCT30008**	Battery Terminal(+)
K6 T	**RJCT70008**	Battery Terminal (−)
K7 T	**RGWT0007-K**	Volume Knob
K8 T	**RMCT0001**	Tape Spring
K9	**XTNR2+10CFZ**	Screw
K10 T	**RMET0009**	Lock Spring
K11 T	**RGUT0024-K**	Lock Button
K12 T	**RGVT0002-G**	XBS Knob
K13 T	**RGQT0001-G**	Direction piece
K14 T	**RGVT0002-K**	Tape Knob
K15 T	**RMQT0005**	Deck Cover
K16 T	**RMET0003**	PWB Earth Terminal
K17 T	**XSH17+3.5**	Screw
K18 T	**RHD003TZA**	Screw
	ACCESSORY	
A1 T	**RKQT0002-K**	Belt Clipper
A2 T	**RP-HT102PY-Y**	Headphones
A3 T	**RQTT0105-E**	Instruction Manual
	PACKING MATERIALS	
P1 T	**RPKT0057**	Decoration Box
P2 T	**RPNT0085**	PAD
P3 T	**RPFT0001**	Polyethylene Cover

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